

| Ref # | Hits | Search Query  | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|---|------------------------------|------------------|---------|------------------|
| S1    | 12   | "4690631"   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2005/10/10 12:41 |
| S2    | 9    | ("4690631").URPN.   | USPAT                        | OR               | OFF     | 2005/10/10 12:41 |
| S3    | 13   | ("4957424").URPN.   | USPAT                        | OR               | OFF     | 2005/10/10 12:42 |
| S4    | 6    | ("5147196").URPN.   | USPAT                        | OR               | OFF     | 2005/10/10 12:45 |
| S5    | 1    | ("5364578").URPN.   | USPAT                        | OR               | OFF     | 2005/10/10 12:47 |
| S6    | 1    | ("5616351").URPN.   | USPAT                        | OR               | OFF     | 2005/10/10 12:47 |
| S7    | 1    | ("5616351").URPN.   | USPAT                        | OR               | OFF     | 2005/10/10 12:47 |
| S8    | 1    | ("6017208").URPN.   | USPAT                        | OR               | OFF     | 2005/10/10 12:47 |
| S9    | 0    | ("6106749").URPN.   | USPAT                        | OR               | OFF     | 2005/10/10 12:48 |
| S10   | 0    | ("2003/0190384").URPN.  | USPAT                        | OR               | OFF     | 2005/10/10 12:48 |
| S11   | 27   | ("1904094"   "2758352"   "2937429"<br>  "3262175"   "3276091"  <br>"3551968"   "3619872"   "3649727"<br>  "3689967"   "3746494"  <br>"3786549"   "3865536"   "3960644"<br>  "4067680"   "4334848"  <br>"4340553"   "4406605"   "4407648"<br>  "4540539").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2005/10/10 12:48 |
| S12   | 30   | ("2926411"   "3095628"   "3096556"<br>  "3141222"   "3276091"  <br>"3551968"   "3649727"   "3655842"<br>  "3689967"   "3752626"  <br>"3922133"   "3948354"   "4079500"<br>  "4131408"   "4253814"  <br>"4340553"   "4400149"   "4406605"<br>  "4407648"   "4540539"  <br>"4639342"   "4690631").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2005/10/10 12:58 |
| S13   | 24   | ("1297082"   "1995692"   "2435052"<br>  "2520199"   "3074139"  <br>"3355897"   "3597932"   "3649727"<br>  "3810441"   "3897182"  <br>"4298555"   "4340553"   "4371325"<br>  "4600548"   "4631867"  <br>"4690631").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2005/10/10 13:02 |
| S14   | 24   | ("2926411"   "3095628"   "3141222"<br>  "3551968"   "3655842"  <br>"3662437"   "3752626"   "3829268"<br>  "3922133"   "3948354"  <br>"4118165"   "4131408"   "4253814"<br>  "4340553"   "4406605"  <br>"4639342"   "4690631"   "4957424"<br>  "Re28902").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR               | OFF     | 2005/10/10 14:54 |

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| S15 | 22  | ("2926411"   "3095628"   "3141322"   "3551968"   "3655842"   "3662437"   "3752626"   "3829268"   "3922133"   "4118165"   "4131408"   "4253814"   "4340553"   "4406605"   "4639342"   "4690631"   "4957424").PN.                                     | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:08 |
| S16 | 25  | ("2926411"   "3095628"   "3141222"   "3551968"   "3655842"   "3662437"   "3752626"   "3829268"   "3922133"   "4118165"   "4131408"   "4253814"   "4340553"   "4406605"   "4639342"   "4690631"   "4957424"   "5040968"   "5051223"   "5167967").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:09 |
| S17 | 17  | ("3096556"   "3276091"   "3733163"   "3752626"   "4041118"   "4238177"   "4253814"   "4340553"   "4540539"   "4690631"   "4756861"   "4957424"   "5080571"   "5147196"   "5167967").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:12 |
| S18 | 11  | ("0921142"   "4336013"   "4340553"   "4540539"   "4690631"   "4957424"   "5051223"   "5080571"   "5147196"   "5364578").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:15 |
| S19 | 13  | ("1895740"   "3096556"   "3276091"   "3632270"   "4340553"   "4505658"   "4690631"   "4957424"   "5456590"   "5616351").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:16 |
| S20 | 6   | ("3632270").URPN:   | USPAT                        | OR | OFF | 2005/10/10 13:17 |
| S21 | 6   | ("2751657"   "3096556"   "3373466").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:17 |
| S22 | 8   | ("1895740").URPN.   | USPAT                        | OR | OFF | 2005/10/10 13:20 |
| S23 | 17  | ("1137776"   "3262175"   "3551968"   "3619872"   "3746494"   "4340553"   "4406605"   "4407648"   "4639342"   "4690631"   "4957424"   "5147196"   "5167967").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:25 |
| S24 | 425 | (packerhead\$3 packer adj head\$2)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:24 |
| S25 | 230 | S24 and diameter\$2   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:26 |
| S26 | 0   | "B28B 21/26"  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:51 |

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|-----|-------|---|------------------------------|----|-----|------------------|
| S27 | 98    | "21/26"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:52 |
| S28 | 545   | B28B  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:52 |
| S29 | 0     | B28B near 21/26   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:52 |
| S30 | 0     | B28B near3 21/26  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:52 |
| S31 | 18    | S28 and (packer\$9)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 13:54 |
| S32 | 16201 | lining with (pipe\$2 tube\$2 tubular)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:24 |
| S33 | 5422  | lining with (pipe\$2 tube\$2 tubular)<br>and (rotating rotation rotated)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:24 |
| S34 | 3622  | lining with (pipe\$2 tube\$2 tubular)<br>and (rotating rotation rotated) and<br>diameter\$2                                       | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:40 |
| S35 | 1492  | (packerhead\$3 packer adj head\$2<br>roller adj head)   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:33 |
| S36 | 158   | S35 and (layers layered)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:29 |
| S37 | 425   | (packerhead\$3 packer adj head\$2)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:33 |
| S38 | 29    | S37 and (layers layered)  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:35 |
| S39 | 18    | S37 and acid\$2   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:38 |
| S40 | 6874  | (lining liner) with (pipe\$2 tube\$2<br>tubular) and (rotating rotation<br>rotated) and diameter\$2 and<br>(pressure compress\$6) | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:41 |
| S41 | 3792  | ((264/34,36.16,36.2,250,308) or<br>(425/262,259,426)).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 14:55 |
| S42 | 786   | (264/34,36.16,36.2).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 15:05 |

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| S43 | 463 | (425/262).CCLS.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 15:06 |
| S44 | 12  | "4690631"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 21:05 |
| S45 | 9   | ("4690631").URPN.   | USPAT                        | OR | OFF | 2005/10/10 21:05 |
| S46 | 13  | ("4957424").URPN.   | USPAT                        | OR | OFF | 2005/10/10 21:05 |
| S47 | 6   | ("5147196").URPN.   | USPAT                        | OR | OFF | 2005/10/10 21:05 |
| S48 | 1   | ("5364578").URPN.   | USPAT                        | OR | OFF | 2005/10/10 21:05 |
| S49 | 1   | ("5616351").URPN.   | USPAT                        | OR | OFF | 2005/10/10 21:05 |
| S50 | 1   | ("5616351").URPN.   | USPAT                        | OR | OFF | 2005/10/10 21:05 |
| S51 | 1   | ("6017208").URPN.   | USPAT                        | OR | OFF | 2005/10/10 21:05 |
| S52 | 27  | ("1904094"   "2758352"   "2937429"<br>  "3262175"   "3276091"  <br>"3551968"   "3619872"   "3649727"<br>  "3689967"   "3746494"  <br>"3786549"   "3865536"   "3960644"<br>  "4067680"   "4334848"  <br>"4340553"   "4406605"   "4407648"<br>  "4540539").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 21:05 |
| S53 | 30  | ("2926411"   "3095628"   "3096556"<br>  "3141222"   "3276091"  <br>"3551968"   "3649727"   "3655842"<br>  "3689967"   "3752626"  <br>"3922133"   "3948354"   "4079500"<br>  "4131408"   "4253814"  <br>"4340553"   "4400149"   "4406605"<br>  "4407648"   "4540539"  <br>"4639342"   "4690631").PN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 21:05 |
| S54 | 24  | ("1297082"   "1995692"   "2435052"<br>  "2520199"   "3074139"  <br>"3355897"   "3597932"   "3649727"<br>  "3810441"   "3897182"  <br>"4298555"   "4340553"   "4371325"<br>  "4600548"   "4631867"  <br>"4690631").PN.   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 21:05 |
| S55 | 24  | ("2926411"   "3095628"   "3141222"<br>  "3551968"   "3655842"  <br>"3662437"   "3752626"   "3829268"<br>  "3922133"   "3948354"  <br>"4118165"   "4131408"   "4253814"<br>  "4340553"   "4406605"  <br>"4639342"   "4690631"   "4957424"<br>  "Re28902").PN.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 21:05 |

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|-----|-----|---|------------------------|----|-----|------------------|
| S56 | 22  | ("2926411"   "3095628"   "3141322"   "3551968"   "3655842"   "3662437"   "3752626"   "3829268"   "3922133"   "4118165"   "4131408"   "4253814"   "4340553"   "4406605"   "4639342"   "4690631"   "4957424").PN.                                     | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S57 | 25  | ("2926411"   "3095628"   "3141222"   "3551968"   "3655842"   "3662437"   "3752626"   "3829268"   "3922133"   "4118165"   "4131408"   "4253814"   "4340553"   "4406605"   "4639342"   "4690631"   "4957424"   "5040968"   "5051223"   "5167967").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S58 | 17  | ("3096556"   "3276091"   "3733163"   "3752626"   "4041118"   "4238177"   "4253814"   "4340553"   "4540539"   "4690631"   "4756861"   "4957424"   "5080571"   "5147196"   "5167967").PN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S59 | 11  | ("0921142"   "4336013"   "4340553"   "4540539"   "4690631"   "4957424"   "5051223"   "5080571"   "5147196"   "5364578").PN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S60 | 13  | ("1895740"   "3096556"   "3276091"   "3632270"   "4340553"   "4505658"   "4690631"   "4957424"   "5456590"   "5616351").PN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S61 | 6   | ("3632270").URPN.   | USPAT                  | OR | OFF | 2005/10/10 21:05 |
| S62 | 6   | ("2751657"   "3096556"   "3373466").PN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S63 | 8   | ("1895740").URPN.   | USPAT                  | OR | OFF | 2005/10/10 21:05 |
| S64 | 17  | ("1137776"   "3262175"   "3551968"   "3619872"   "3746494"   "4340553"   "4406605"   "4407648"   "4639342"   "4690631"   "4957424"   "5147196"   "5167967").PN.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S65 | 425 | (packerhead\$3 packer adj head\$2)  | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S66 | 786 | (264/34,36.16,36.2).CCLS.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |
| S67 | 463 | (425/262).CCLS.   | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/10/10 21:05 |

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|-----|------|---|------------------------------|----|-----|------------------|
| S68 | 1629 | S44 S45 S46 S47 S48 S49 S50 S51<br>S52 S53 S54 S55 S56 S57 S58 S59<br>S60 S61 S62 S63 S64 S65 S66 S67 | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 21:05 |
| S69 | 54   | S68 and rotation with speed   | US-PGPUB;<br>USPAT;<br>USOCR | OR | OFF | 2005/10/10 21:05 |